

Isabela C. R. Moura Hidalgo

Department of Computer Science and Engineering
University of South Florida
4202 East Fowler Avenue, ENB 118
Tampa, Florida 33620

E-mail: imoura@usf.edu
Office: (813) 974-6048
Fax: (813) 974-5456

Education

University of South Florida

Degree: Ph.D. in Computer Science and Engineering 2012

Research Areas: Human-Computer Interaction and User Interface Design

Dissertation: *Overcoming Limitations of Serial Audio Search*

Advisor: Dewey Rundus

Pontificia Universidade Catolica do Rio de Janeiro (PUC-Rio)

Degree: M.S. in Informatics 1999

Research Area: Hypertext and Multimedia

Thesis: *OOHDM-Web: An Environment for Implementation of Hypermedia Applications in the WWW*

Advisor: Daniel Schwabe

Degree: B.S. in Information Technology 1996

Research Area of Senior Project: Artificial Intelligence

Advisor: Jose Luiz Chenu

Universidad Iberoamericana (Mexico City)

B.S. in Information Systems (attended three semesters, then transferred to PUC-Rio) 1993

Studying in Mexico City was a fantastic experience that helped develop interpersonal skills, acquire cultural knowledge, and become fluent in a foreign language (Spanish).

Awards

Nominated for the Provost's Award for Outstanding Teaching by a Graduate Teaching Assistant 2008

IBM Scholarship for Excellence 1995

Scholarship consisted of full tuition plus stipend for one year, and was awarded only to the top six undergraduate students in the university (PUC-Rio), which has more than 10,000 undergraduate students.

Teaching Experience

University of South Florida 2015-Present
Instructor I, Department of Computer Science and Engineering

- ***Instructor for the following courses:***

CEN 3722 – Human-Computer Interfaces for IT (online) F15, S16
Enrollment: 107 students (F15), 100 students (S16)

CEN 4031 – IT Software Engineering (online) S16
Enrollment: 50 students

COP 3515 – IT Program Design (online) S16
Enrollment: 60 students

COP 4610 – IT Operating Systems (online) S16
Enrollment: 40 students

MAD 2104 – Discrete Math for IT (online) F15
Enrollment: 69 students

COP 2931 – Object-Oriented Programming for IT (online) F15
Enrollment: 67 students

University of South Florida 2003-2009
Graduate Teaching Assistant, Department of Computer Science and Engineering

- ***Instructor for the following courses:***

CEN 4721 - User Interface Design S09
Enrollment: 30 students

CEN 4020 - Software Engineering Su04
Enrollment: 33 students

Responsibilities in both courses included:

- Selecting a textbook.
- Preparing a syllabus and schedule for the semester.
- Composing and grading assignments, exams, and group projects.
- Planning and conducting lectures.
- Assisting students in and out of the classroom.

Teaching Experience (cont.)

- **Teaching assistant for the following courses:**

CAP 5625 - Introduction to Artificial Intelligence S08

Enrollment: 28 students

CIS 4930/6930 - Compiler Design F07

Enrollment: 33 students

CAP 6100 - Human-Computer Interaction S05, S07

Enrollment: approximately 15 students per semester

CEN 4721 - User Interface Design F03, F04, S05, F06, S07

Enrollment: approximately 25 students per semester

COP 3514 - Program Design S04

Enrollment: approximately 90 students

COP 2510 - Programming Concepts F03, S04

Enrollment: approximately 100 students per semester

- **Teaching assistant for the following project:**

CIS 4900 - CSE Volunteers F06, S07

Enrollment: 9 students (F06), 16 students (S07)

CSE Volunteers is a service-learning project where a group of Computer Science and Engineering students volunteers their time and talent to provide technical support the School District of Hillsborough County.

Responsibilities included:

- Monitoring students' performances at their assignments, by visiting schools where they were working and talking to school personnel.
- Communicating with all students on a weekly basis.
- Recruiting new students to the program by posting flyers and making presentations in classrooms and professional student meetings.

✓ Enrollment almost doubled in 2007.

During this project, I also attended the *Service-Learning Leadership Academy*, a two-semester training where I got actively involved in a team project to plan and carry out an assistive technology fair for the Center for Autism and Related Disabilities (CARD).

Teaching Experience (cont.)

Pontificia Universidade Catolica do Rio de Janeiro (PUC-Rio) 1994-1996
Undergraduate Teaching Assistant, Department of Informatics
Teaching Assistant for Programming Languages F94, S95, F95, S96

University Service

- *Department faculty search committee (2015)*
- *Judge for the Poster Competition at the College of Engineering Research Day (2015)*

Industry Experience

Jamcracker Inc.- Cupertino, CA 2000-2002
Web Developer, Engineering Department

- Responsible for the user interface design and implementation, quality assurance testing, and usability testing with real users for a new user interface for the company's portal.

Pontificia Universidade Catolica do Rio de Janeiro (PUC-Rio) 1999-2000
Web Developer / Webmaster, Department of Informatics

- Responsible for the development and maintenance of the Department of Informatics' website, which consisted mostly of dynamically generated web pages.

Tecso Informatica, Rio de Janeiro, Brazil 1996-1997
Systems Analyst, Multilogo Team

- Development of an educational software for children, called "Multilogo 2.0 for Windows", which is a logo language interpreter, with an integrated set of tools (a text editor, a spreadsheet, and a database), that provides support for learning a programming language and the most common computer applications.
- Responsible for coding, testing, and documenting modules of the software, writing the User's Guide, and producing the help files.

IBM Brasil, Rio de Janeiro, Brazil 1995-1996
Systems Analyst Intern, Department of Customer Relationship Management.

- Provided IT support to the department.

Research Experience

University of South Florida 2005
Graduate Research Assistant, National Institute for Applied Computational Intelligence
▪ Research Area: User interfaces for safety-critical applications.

Pontificia Universidade Catolica do Rio de Janeiro (PUC-Rio) 1997-1999
Graduate Research Assistant, Department of Informatics
▪ Research Area: Hypertext and Multimedia

Research Interests: Human-Computer Interaction, Programming Languages, and Education.

Publications

D. Rundus, K. Christensen, I. Moura, and S. Zulli, "CSE Volunteers: Evolving a Student Volunteer Program into a Formal Service-Learning Course in the College of Engineering," *Proceedings of the 7th International Research Conference on Service-Learning and Community Engagement*, October 2007.

D. Schwabe, R. de Almeida Pontes, and I. Moura, "OOHDM-Web: an environment for implementation of hypermedia applications in the WWW," *ACM SigWEB Newsletter* 8, no. 2, 18-34, 1999.

Professional Development

- *Online Instructor Certification - Innovative Education, USF*
- *New Faculty Workshops - Academy for Teaching and Learning Excellence, USF*

Languages

Portuguese (native), Spanish (fluent), English (fluent), French (reading)